

IN THE ABSTRACT:

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

A wire electric discharge machine capable of preventing a straightness error from being caused by consumption of a wire electrode, to eliminate insufficient machining. A correction angle ϕ is predetermined for preventing the straightness error of the workpiece due to consumption. Correction amounts $d1'$, $d2'$ on a program plane and an upper surface of a workpiece, respectively, are determined based on the predetermined correction angle ϕ , and are added to or subtracted from a predetermined offset amount depending on a wire electrode radius and an electric discharging gap, to determine corrected offset amounts $d1$, $d2$ on the program plane and the upper surface of the workpiece, respectively. Correction amounts $d1o$, $d2o$ for lower and upper wire guides in an offset direction are obtained based on the corrected offset amounts $d1$, $d2$, respectively, so that motion paths of upper and lower wire guides relative to the workpiece are determined.